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APPARATUS AND METHOD FOR SETTING PRESSURE IN A FUEL
DELIVERY SYSTEM

5 ABSTRACT

A fuel delivery system for a vehicle having an engine,
comprising: a pump being configured to provide fuel to the engine; a fluid
pathway being in fluid communication with an outlet port of said pump at one
end; a regulator being disposed in the fluid pathway, the regulator regulating
10 pressure of the fuel when said pump is pumping fuel into the fluid pathway; and
a combination valve being disposed in the fluid pathway, the regulator being
located between the combination valve and the outlet port of the pump, wherein
the combination valve provides a check valve configured to allow fuel flow in a
first direction and a system pressure relief valve configured to allow fuel flow in
15 a second direction, the first direction being opposite to the second direction and
the first direction being the same direction fuel is pumped in the fluid pathway
by the pump.